



IsW/2193  
Patent

Attorney Docket No. 1034456-000046

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )

Markus Lonn )

Application No.: 10/587,142 )

Filing Date: July 24, 2006 )

Title: CONTROL DEVICE OPTIMIZING )  
COMPUTING INPUT SAMPLE OF )  
DATA WITH DISCRETE FOURIER )  
TRANSFORM ALGORITHM )

Group Art Unit: 2193

Examiner:

Confirmation No.: 4986

**SECOND  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a SECOND Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date April 20, 2007

By: *R. C. Keane*  
*for* Patrick C. Keane  
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703 836 6620

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Attorneys & Government Relations Professionals



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
Markus Lonn ) Group Art Unit: 2193  
Application No.: 10/587,142 ) Examiner:  
Filed: July 24, 2006 ) Confirmation No.: 4986  
For: CONTROL DEVICE OPTIMIZING COMPUTING )  
INPUT SAMPLE OF DATA WITH DISCRETE )  
FOURIER TRANSFORM ALGORITHM )

**SECOND INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, applicant hereby cites certain documents identified in an Official Action issued by the Finnish Patent Office concerning the corresponding Finnish patent application number FI20040100, in conformance with the provisions of 37 C.F.R. §§ 1.97 and 1.98. A copy of the Finnish Official Action is attached hereto; however, an English translation is not presently available to the undersigned.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date:

April 20, 2007

By:

Patrick C. Keane  
Registration No. 32858

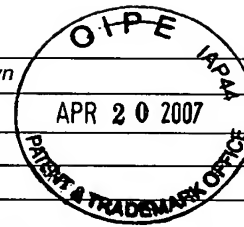
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# **SECOND** **INFORMATION DISCLOSURE** **STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/587,142
Filing Date	July 24, 2006
First Named Inventor	Markus Lonn
Examiner Name	
Attorney Docket No.	1034456-000046



## U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Official Action issued by the Finnish Patent Office on August 23, 2004 in Corresponding Finnish Patent Application No. 20040100
	LUH, P.B., et al., "Architectural Design of Neural Network Hardware for Job Shop Scheduling", Annals of the CIRP, January 1999, pp. 373-376, vol. 48, Elsevier
	RAHMAN, Md. Hafijur, et al., "Power, Speed and Area Optimization of FFT Processors", CSE 450: Design and Analysis of Algorithms, P-173, [Online] 2003, <a href="http://www.eas.asu.edu/~cse450sp/projects/final_P173.doc">http://www.eas.asu.edu/~cse450sp/projects/final_P173.doc</a>
	PRESS, William H., et al., "Numerical Recipes in C", The Art of Scientific Computing Second Edition, 1992, pp. 26-27, Cambridge University Press, NY, USA
	DOWNS, Andrew, "Code Optimization", MacTech, 1999, Vol. 15, No. 4, XPlain Corporation, CA, USA

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.